

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4245
<b>Ordering Codes:</b>	4245-51, 4245-52
<b>Description:</b>	SPDT UltraCMOS RF Switch DC 4000 MHz
<b>Package:</b>	6L DFN
<b>Environmental Compliance</b>	EU RoHS Directive 2002/95/EC, <b>REACH</b> - EU ECHA SVHC, <b>Arsenic Free</b> , <b>JIG 101</b> - EIA/EICTA/JEITA, <b>Halogen Free</b> - IEC61249-2-21, <b>PFOS Free</b> - 2006/122/EC, <b>Antimony Trioxide Free</b>
<b>Lead Finish</b>	100% Matte Tin
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	0.267655	1.28%	12,773
	Silicon (Si)	7440-21-3	0.000089	0.00%	4
	Arsenic (As)	7440-38-2	0.000000	0.00%	0
	Boron (B)	7440-42-8	0.000000	0.00%	0
	Phosphorous (P)	7723-14-0	0.000030	0.00%	1
	Titanium (Ti)	7440-32-6	0.000010	0.00%	0
	Tungsten (W)	7440-33-7	0.000001	0.00%	0
	Copper (Cu)	7440-50-8	0.000001	0.00%	0
	Aluminum (Al)	7429-90-5	0.000446	0.00%	21
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
<b>Package</b>					
Leadframe	Copper (Cu)	7440-50-8	7.795600	37.20%	372,009
	Iron (Fe)	7439-89-6	0.187900	0.90%	8,967
	Zinc (Zn)	7440-66-6	0.009600	0.05%	458
	Phosphorus (P)	7723-14-0	0.002400	0.01%	115
	Silver (Ag)	7440-22-4	0.206400	0.98%	9,849
Die Attach	Silver (Ag)	7440-22-4	0.199900	0.95%	9,539
	Epoxy Resin	9003-36-5	0.050000	0.24%	2,386
	t-Butyl phenyl glycidyl ether	3101-60-8	0.020800	0.10%	993
	Phenolic harder	92-88-6	0.004200	0.02%	200
	Butyl cellosolve acetate	112-07-2	0.002800	0.01%	134
Gold Wire	Gold (Au)	7440-57-5	0.088500	0.42%	4,223
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.114900	0.55%	5,483
Mold Compound	Silica Fused	60676-86-0	11.007800	52.53%	525,296
	Epoxy Resin	Trade secret	0.480200	2.29%	22,915
	Phenol Resin	Trade secret	0.480200	2.29%	22,915
	Carbon Black	1333-86-4	0.036000	0.17%	1,718
<b>Total Weight (mg)</b>			<b>20.955432</b>	<b>100.00%</b>	<b>1,000,000</b>